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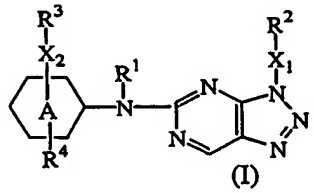
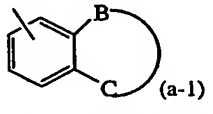
[Continued on next page]

(54) Title: TRIAZOLOPYRIMIDINE DERIVATIVES AS GLYCOGEN SYNTHASE KINASE 3 INHIBITORS



(I)



(a-1)

(57) Abstract: This invention concerns compounds of formula (I) a N-oxide, a pharmaceutically acceptable addition salt, a quaternary amine and a stereochemically isomeric form thereof, wherein ring A represents phenyl, pyridyl, pyrimidinyl, pyridazinyl or pyrazinyl; R^1 represents hydrogen; aryl; formyl; C_{1-6} alkylcarbonyl; C_{1-6} a]kyl; C_{1-6} alkyloxycarbonyl; C_{1-6} alkyl substituted with formyl, C_{1-6}alkylcarbonyl, C_{1-6}alkyloxycarbonyl, C_{1-6}alkylcarbonytoxy; or optionally substituted C_{1-6} alkyloxyCl-6alkylcarbonyl; X_1 represents a direct bond; $-(CH_2)_{n3}-$ or $-(CH_2)_{n4}-X_{1a}-X_{1b}-$; R^2 represents optionally substituted C_{3-7}CYCloalkyl; phenyl; a 4, 5, 6- or 7-membered monocyclic heterocycle containing at least one heteroatorn selected from 0, S or N; benzoxazolyl or a radical of formula (a-1); X_2 represents a direct bond; $-NR^1-NR^1-(CH_2)_{N3}-$; -0-; $-0-(CH_2)_{n3}-$; $-C(=O)-$; $-C(=O)-(CH_2)_{n3}-$; $-C(=O)-NR^5-(CH_2)_{n3}-$; $-C(=S)-$; -S-; $-S(=O)_{n1}-$; $-(CH_2)_{n3}-$; $-(CH_2)_{n4}-X_{1a}-X_{1b}-$; $-X_{1a}-X_{1b}-(CH_2)_{n4}-$; $-S(=O)_{n1}-NR^5-(CH_2)_{n3}-NR^5\_$ or $-S(=O)_{n1},-NR^5-(CH_2)_{n3}-$; R^3 represents an optionally substituted 5-or 6-membered monocyclic heterocycle containing at least one heteroatom selected from 0, S or N, or a 9-or 10-membered bicyclic heterocycle containing at least one heteroatom selected from 0, S or N; R^4 represents hydrogen; halo; hydroxy; optionally substituted C_{1-4}alkyl; optionally substituted C_{2-4}alkenyl or C_{2-4}alkynyl; polyhaloC_{1-3}alkyl; optionally substituted C_{1-4}alkyloxy; polyhaloC_{1-3}alkyloxy; C_{1-4}alkylthio; polyhaloC_{1-3}alkylthio; C_{1-4}alkyloxycarbonyl; C_{1-4}alkylcarbonyloxy; C_{1-4}alkylcarbonyl; polyhaloC_{1-4}alkylcarbonyl; nitro; cyano; carboxyl; NR^9R^{10}; $C(=O)NR^9R^{10}$;-NR^5-$C(=O)$-NR^9R^{10}; -NR^5-$C(=O)$-R^5; $-S(=O)_{n1},-R^{11}$ -NR^5-$S(=O)_{n1},-R^{11}$ -S-CN; -NR^5 -CN; their use, pharmaceutical compositions comprising them and processes for their preparation.

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IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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